

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 50101
1. (Currently Amended) A method of updating Internet access point information in the terminal equipment of a digital mobile communication system, which is capable of establishing a connection to the Internet via the mobile communication system and a number of Internet access points, ~~characterized in that it comprises the steps of~~ comprising storing settings of Internet access points that were used last time to access the Internet in the terminal equipment,
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- storing system information in the terminal equipment on the mobile communication network or on part of the mobile communication network used to access the Internet last time,
- receiving broadcast system information on the mobile communication network or on part of the mobile communication network in the current location of the terminal equipment,
- comparing said received system information with said stored system information,
- starting a procedure for updating the stored Internet access point settings of the terminal equipment with Internet access point settings recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted on the basis of said stored and received system information that the mobile communication network or part of the mobile communication network has changed.
2. (Currently Amended) A method as claimed in claim 1, ~~characterized by~~ steps of comprising
- carrying out said comparison only when a new Internet transaction is started, and
- carrying out said updating procedure before setting up a call to the Internet access point via the mobile communication system, if it is noted on the basis of said stored and received system information that the mobile communication network or part of the mobile communication network has changed.

3. (Currently Amended) A method as claimed in claim 1, ~~characterized in that wherein~~ said updating procedure comprises the steps of

requesting Internet access point settings from the Internet service provider's server via the mobile communication system, said request comprising system information identifying the current mobile communication system of the terminal equipment or part of the mobile communication system,

receiving said request at said server

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the terminal equipment,

sending selected settings from said server via the mobile communication network to the terminal equipment,

receiving selected settings in the terminal equipment,

updating Internet access point settings of the terminal equipment with said selected settings.

4. (Currently Amended) A method as claimed in claim 1, ~~characterized in that wherein~~ said updating procedure comprises the steps of

sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,

receiving said message in said message centre,

sending a request for Internet access point settings from the message centre to the Internet service provider's server by using protocols of the Internet network, said request comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,

receiving said request in said server,

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the terminal equipment,

sending a response including the selected settings from said server to the message service centre by using protocols of the Internet network,

receiving said message in the terminal equipment,

updating Internet access point settings of the terminal equipment with said selected settings.

5. (Currently Amended) A method as claimed in claim 1, ~~characterized in that~~wherein said updating procedure comprises ~~the steps of~~  
sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,  
receiving said message in said short message service centre,  
retrieving the World Wide Web (WWW) page including Internet access point settings from the Internet network by using protocols of the Internet network as a response to said message sent by the mobile station,  
selecting Internet access point settings suitable for the location of the mobile station from the received WWW page on the basis of said system information,  
sending a message including said selected settings from the message service centre to the terminal equipment,  
receiving said message in the terminal equipment,  
updating Internet access point settings of the terminal equipment with said selected settings.

6. (Currently Amended) A method as claimed in claim 1, ~~characterized by steps of~~comprising  
broadcasting messages including information on settings of the recommended Internet access point to all terminal equipment of the mobile communication network or part of it,  
updating stored Internet access point settings of the terminal equipment with Internet access point settings included in said broadcast message, if it is noted on the basis of stored and received system information that the mobile communication network or part of the mobile communication network has changed.

7. (Currently Amended) A method as claimed in claim 1, ~~characterized in that~~wherein said system information is one of the following: country code, operator name, operator code, network name, network code, location area identifier.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) Terminal equipment of a digital mobile communication system, which is capable of establishing a connection to the Internet network (12) via a mobile communication system (11, 17) and a number of Internet access points (14, 16), and which comprises a memory in which Internet access point settings used last time to access the Internet are stored, ~~characterized in that~~ the terminal equipment (MS) ~~comprises~~ comprising a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means (22, 31) for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

means (23, 24; 32, 33) for comparing said received system information with said stored system information,

updating means (26, 34) for starting the procedure for updating stored Internet access point settings of the terminal equipment (MS) with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted on the basis of the stored and received system information that the mobile communication network or part of the mobile communication network has changed.

14. (Currently Amended) Terminal equipment as claimed in claim 13, ~~characterized in that~~ wherein

said means (23, 24) of comparison start in response to initiation (21) of a new Internet transaction, and

said updating means (26) are responsive to said means (23, 24) of comparison to carry out said updating procedure before setting up (27) a call via the mobile communication system to an Internet access point, if it is noted on the basis of said stored and received information that the mobile communication network or part of the mobile communication network has changed.

15. (Currently Amended) Terminal equipment as claimed in claim 13, ~~characterized in that~~ wherein said updating means (26, 34) comprise

means for requesting Internet access point settings from the Internet service provider's server via the Internet, said request (RIAP-SMS) comprising system information identifying the current mobile communication network or part of the mobile communication network of the terminal equipment,

means for receiving a response (SIAP-SMS) including requested settings from the server via the mobile communication system, and for updating Internet access point settings of the terminal equipment with the received settings.

16. (Currently Amended) Terminal equipment as claimed in claim 13, ~~characterized in that~~ wherein said updating means comprise

means for sending a short message (SIAP-SMS) requesting Internet access point settings to the message service centre (SC), which has an access to the Internet network (12), said message containing system information identifying the current mobile communication network or part of the mobile communication network of the terminal equipment,

means for receiving a message (SIAP-SMS) containing the requested settings from the message centre, and for updating Internet access point settings of the terminal equipment with the received settings.

17. (Currently Amended) Terminal equipment as claimed in claim 13, ~~characterized in that~~ wherein the terminal equipment comprises

means for receiving broadcast messages containing information on the settings of the recommended Internet access point, and that

said updating means are responsive to means (23, 24, 32, 33) of comparison for updating stored Internet access point settings of the terminal equipment with Internet access point settings included in said broadcast message, if it is noted on the basis of the stored and received system information that the mobile communication network or part of it has changed.

18. (Currently Amended) Terminal equipment as claimed in claim 13, ~~characterized in that~~ wherein said system information is one of the following: country code, operator's name, operator code, name of the network, network code, location area identifier.

19. (Currently Amended) A digital mobile communication system comprising message service and terminal equipment (MS) capable of establishing a connection to the Internet network (12) via a mobile communication system (11, 17) and a number of Internet access points (14, 16), ~~characterized in that, wherein~~ the mobile communication system is arranged to broadcast to terminal equipment (MS) messages including settings of at least one local Internet access point, which is recommended to be used in part of the mobile communication system in question.

20. (New) Terminal equipment of a digital mobile communication system, comprising

- a connectivity to the Internet network via a mobile communication system and a number of Internet access points,
- a memory in which Internet access point settings used last time to access the Internet are stored,
- a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,
- a receiver receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,
- a comparator comparing said received system information with said stored system information,

c' a controller starting a procedure for updating stored Internet access point settings of the terminal equipment with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted on the basis of the stored and received system information that the mobile communication network or part of the mobile communication network has changed.

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